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New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-4

DEC 21 2010

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 OMB No. 1004-0137
 Expires: July 31, 2010



HOBSOCD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
 NMNMO153471

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
 Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator Contact: NATALIE E KRUEGER
 CIMAREX ENERGY CO OF COLORADO Email: nkrueger@cimarex.com

8. Lease Name and Well No.
 FRANKLIN 18 FEDERAL COM 3H

3. Address 15 E 5TH STREET STE 1000
 TULSA, OK 74103

3a. Phone No. (include area code)
 Ph: 432-620-1936

9. API Well No.
 30-005-29139-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWNE 330FNL 2270FEL 33.02224 N Lat, 103.86009 W Lon

At top prod interval reported below NWNE 330FNL 2270FEL 33.02224 N Lat, 103.86009 W Lon

At total depth SWSE 330FSL 2270FEL

10. Field and Pool, or Exploratory
 UNDESIGNATED-ABO-WOLFCAMP

11. Sec., T., R., M., or Block and Survey
 or Area Sec 18 T15S R31E Mer NMP

12. County or Parish
 CHAVES

13. State
 NM

14. Date Spudded
 08/05/2010

15. Date T.D. Reached
 09/13/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
 10/22/2010

17. Elevations (DF, KB, RT, GL)*
 4449 GL

18. Total Depth: MD 13227
 TVD 8710

19. Plug Back T.D.: MD 13227
 TVD 8707

20. Depth Bridge Plug Set: MD
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 SDL-DSN-DLL-MGR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
 Was DST run? ☒ No ☐ Yes (Submit analysis)
 Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	369		600		0	
8.750	7.000 P-110	26.0	0	8360		1825		0	
6.125	4.500 P-110	11.6	8230	12920		0			
8.750	2.875		8360	8769					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8194							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ABO-WOLFCAMP	8769	12920	8769 TO 12920			OPEN, PEAK LINER, NO PERFS
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8769 TO 12920	1,436,919 GAL 17# XL BORATE. TOTAL PROP: 1,011,585# 20/40 WHITE SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/20/2010	11/17/2010	24	→	500.0	73.0	212.0	39.0	1.36	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
OPEN	410	100.0	→	500	73	212	146	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #98833 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED
 APPROVED FOR 6 MONTH PERIOD
 ENDING APR 22 2011

ACCEPTED FOR RECORD
 /S/ DAVID R. GLASS
 DEC 10 2010
 DAVID R. GLASS
 PETROLEUM ENGINEER

K-6

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
VENTED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
QUATERNARY ABO-WOLFCAMP	0	200		RUSTLER YATES QUEEN SAN ANDRES ABO SHALE LOWER ABO WOLFCAMP	1275
	8769	12920			2470 3050 3745 7500 8605 8701

32. Additional remarks (include plugging procedure):
 Logs to be sent via regular mail.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #98833 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 12/10/2010 (11DG0027SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature _____ (Electronic Submission)

Date 12/09/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #98833

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM0153471	NMNM0153471
Agreement:	PENDING	
Operator:	CIMAREX ENERGY CO. OF COLORADO 600 N. MARIENFELD ST., STE. 600 MIDLAND, TX 79701 Ph: 432-620-1936	CIMAREX ENERGY CO. OF COLORADO 15 E 5TH STREET STE 1000 TULSA, OK 74103 Ph: 918 585 1100
Admin Contact:	NATALIE E KRUEGER REGULATORY E-Mail: nkrueger@cimarex.com Cell: 469-831-5829 Ph: 432-620-1936 Fx: 432-620-1940	NATALIE E KRUEGER REGULATORY E-Mail: nkrueger@cimarex.com Cell: 469-831-5829 Ph: 432-620-1936 Fx: 432-620-1940
Tech Contact:	NATALIE E KRUEGER REGULATORY E-Mail: nkrueger@cimarex.com Cell: 469-831-5829 Ph: 432-620-1936 Fx: 432-620-1940	NATALIE E KRUEGER REGULATORY E-Mail: nkrueger@cimarex.com Cell: 469-831-5829 Ph: 432-620-1936 Fx: 432-620-1940
Well Name: Number:	FRANKLIN 18 FEDERAL COM 003	FRANKLIN 18 FEDERAL COM 3H
Location: State: County: S/T/R: Surf Loc:	NM CHAVES Sec 18 T15S R31E Mer NMP NWNE 330FNL 2270FEL 33.02224 N Lat, 103.86009 W Lon	NM CHAVES Sec 18 T15S R31E Mer NMP NWNE 330FNL 2270FEL 33.02224 N Lat, 103.86009 W Lon
Field/Pool:	ABO/WOLFCAMP WILDCAT	UNDESIGNATED-ABO-WOLFCAMP
Logs Run:	SDL-DSN-DLL-MGRD-BSAT-GR	SDL-DSN-DLL-MGR
Producing Intervals - Formations:	ABO/WOLFCAMP	ABO-WOLFCAMP
Porous Zones:		QUATERNARY ABO-WOLFCAMP
Markers:	RUSTLER WOLFCAMP	RUSTLER YATES QUEEN SAN ANDRES ABO SHALE LOWER ABO WOLFCAMP